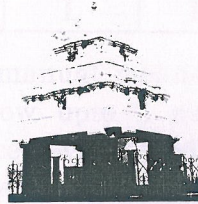


BRUHAT BANGLORE MAHANAGARA PALIKE



DASARAHALLI-ZONE

DASARAHALLI-SUB-DIVISION.

*Name of Work: Improvements to roads, drain at 11th B &
12th Cross roads at Vishveshwaraiah layout in
Bagalagunte W.No-14*

Estimate Cost :-50.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE
DASARAHALLI ZONE

Name of Work: Improvements to road, drain at 11th B & 12th cross roads at Vishveshwaraiah layout in Bagalagunte Ward No.14

			Est. Cost Rs				50.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete and Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Kmas per specifications complete as per specifications. MORTH Chapter 3 (P.142/I.19.1 PW, P & ISTD -SR 2016-17)								
		Cum	2	230.00	5.50	0.45	1138.50		
			2	227.00	0.60	0.40	108.96		
							1247.46	86.92	108429.00
	Basic Rate	82.00							
	Add Area Weightage 6%	4.92							
	Total	86.92							
2	Removing B.S.Slab of drain and stacking etc., complete Page No. 25/ Item No. 5.32/ PWD SR 2016-17								
		Sqm	2	227.00	1.35		612.90		
		Consider 60% Qty					367.74		
							245.16	65.72	16112.00
	Basic Rate	62.00							
	Add Area Weightage 6%	3.72							
	Total	65.72							
3	KSRRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2016-17)								
		Cum	2	227.00	0.50	0.15	34.05		
			2	227.00	0.30	0.10	13.62		
							47.67	5159.02	245930.00
	Basic Rate	4867.00							

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Add Area Weightage 6%	292.02							
	Total	5159.02							
4	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC Cement @220 kgs with 20 mm and down size graded granite metal course aggregates @ 0.84 cum and fine aggregates @0.56 cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well comated, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per , Specification NO KBS 4.1,4.2 Page No 13/ Item No 4.7/PWD SR 2016-17								
		Sqm	2	227.00	0.20	0.08	7.26		
							7.26	5598.92	40648.00
	Basic Rate	5282.00							
	Add Area Weightage 6%	316.92							
	Total	5598.92							
5	Refixing stone slabs of drains and pointing in CM 1:3 etc complete Page No. 25/ Item No.5.33/ PWD SR 2016-17								
		Sqm	Qty Vide Item No 2				367.74	80.56	29625.00
	Basic Rate	76.00							
	Add Area Weightage 6%	4.56							
	Total	80.56							
6	Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 thick Page No. 25/ Item No. 5.31.1/ PWD SR 2016-17								
		Sqm	Qty vied Item No 02				612.90		
		Deduct Availabe Qty Vide Item No 2					367.74		
	Basic Rate	628.00					245.16	665.68	163198.00
	Add Area Weightage 6%	37.68							
	Total	665.68							
7	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 25/ Item No. 5.27/ PWD SR 2016-17								
		Sqm	2	227.00	0.40		181.60		
	Basic Rate	907.00					181.60	961.42	174594.00
	Add Area Weightage 6%	54.42							
	Total	961.42							

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
8	Supplying and fixing precast reinforced concrete slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.								
		Sqm	2	227.00	0.90		408.60		
	Data Rates Approved by CE DZ enclosed						408.60	1680.00	686448.00
9	KSRRB M400-1 For Grading I material construction of granular sub-base by providing coarse graded crushed stone aggregates of Granite/trap/basalt material spreading in uniform layers with motor grader on prepared surface mixing by a mix in place method with rotawater at OMC, and Compacting with vibratory roller to achieve the desired density, complete as per specifications by mix in a Place method for course Graded Granular Sub Base Material as per 400-2 for grading I material. Page No 155/ Item No. 20.6.1 PWD SR 2016-17								
		Cum	2	280.00	5.50	0.15	462.00		
	Basic Rate	1433.00					462.00	1518.98	701769.00
	Add Area Weightage 6%	85.98							
	TOTAL	1518.98							
10	Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2016-17, P.No.158, I No.20.18)								
	Roads	Cum.	2	230.00	5.50	0.23	581.90	1768.08	1028846.00
	Basic Rate	1668.00							
	Add Area Weightage 6%	100.08							
	Total	1768.08							

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
11	Providing and applying primer coat with S.S. Bitumen emulsion on prepared surface of granular base such as WBM, WMM including clearing of road surface and spraying primer at the rate of 0.6 kg / sqm using mechanical means complete as per specifications, with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWDSR 2016-17, P.No.161, I No.21.6)								
		Sqm	2	230.00	5.50		2530.00		
							2530.00	27.56	69727.00
	Basic Rate	26.00							
	Add Area Weightage 6%	1.56							
	Total	27.56							
12	KSRRB 500-7: Providing and applying tack coat on the prepared black topped surfaces at 5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all Materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 Page No. 161/ Item No. 21.7/ PWD SR 2016-17								
		Sqm	2	230.00	5.50		2530.00		
							2530.00	11.66	29500.00
	Basic Rate	11.00							
	Add Area Weightage 6%	0.66							
	Total	11.66							
13	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75mm compacted thickness with 3.3% bitumen but excluding the cost of primer/tack coat with lead incl. cost of all materials, labour, HOM of machineries complete as per specifications with 80/100 grade bitumen using 40/60TPH capacity H.M.P with Mechanical paver Gr II (50/75mm) with 3.3% VG-30 Bitumen as per the directions of Engineer-in-charge of the work (PWDSR 2016-17, P.No.162, I No.21.11.6)								
		Cum	2	230.00	5.50	0.05	126.50		
	Basic Rate	4839.00					126.50	5129.34	648862.00
	Add Area Weightage 6%	290.34							
	Total	5129.34							

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Providing and laying bituminous concrete with hot mix plant using washed aggregates of specified grading, premixed with bituminous binder and filter transporting the hot mix to work site laying with paver finish to the required grade, level and alignment. rolling with smooth wheeled vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause no 500.9 complete in all respects complete as per specification no 509. using 40/60 TPH Capacity H.M.P With Mechanical paver Gr-II (30 mm to 45 mm) with 6% VG-30 Bitumen (p-165, lt 21.22.6) PWD SR 2016-17								
		Cum	2	230.00	5.50	0.03	92.40	7083.98	527674.00
	Basic Rate	6859.00	6683.00				92.40	7270.54	671798.00
	Add Area Weightage 6%	411.54	400.98				75.90		
	Total	7270.54	7083.98						
14	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 133 Item No. 17.1 PWD SR 2016-17								
		Cum		Qty Vide Item No. 1			1026.60	84.00	104787.00
	Loading and Unloading Charges	68.00					1247.46	85.65	87926.00
	Lead 4 KMs 2x1.28x4	12.80	16.00						
	x 2.5x1.28x5	80.80	84.00						
	Add Area Weightage 6%	4.85							
	Total	85.65						Sub Total	4586149.00
15	KRIDL 8% Quality control Test Charges 1%=9%								420000.00
									412753.00
16	Miscellaneous and Unforeseen Charges								1739.00
									1098.00
								Total	5000000.00

(Rupees.Fifty Lakhs Only)

CERTIFICATE:-

- 1 The Work spot has been inspected and the work is found to be necessary
- 2 The Estimate is prepared as per the PWD-2016-17
- 3 The Provision made in estimate are adequate and essential.
- 4 This area comes under BBMP limits.

[Signature]
Asst.Engineer
Ward No 14

[Signature]
Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

[Signature]
Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ನಂ. EE/DD/AS/47/17-18 ದಿನಾಂಕ: 5.8.17

Rs. Fifty / 100 Lakhs only
(Rs. 50.00 Lakhs)

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಧಾರವಾಗಿ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

[Signature]
ಕಾರ್ಯಪಾಲಕ ಅಧೀಯತೆಯಲ್ಲಿ
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ಪರಿಷತ್, ಬೆಂಗಳೂರು.

ನಂ. CE/TS/102/17-18 ದಿನಾಂಕ: 08/08/17

Rs. 50.00 Lakhs only
Rs. Fifty Lakhs only

ಈ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

[Signature]
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ಪರಿಷತ್, ಬೆಂಗಳೂರು.